

Conservation Status Assessment

Scientific Name: *Pseudaleuria quinaultiana*

Classification: Fungus

Assessment area: Global

Heritage Rank: **G2**

Rank Date: 3/9/2017

Assigned Rank Comments: None.

Range Extent: F = 20,000-200,000 sq km (~8,000-80,000 sq mi)

Comments: The range of this species is around 30,000 sq. km. There are sites in the western Olympic peninsula, and in the west cascades of Oregon in Marion and Linn Counties. In the 2002 ranking, N. Weber mentioned 3 sites not in the agency or herbarium databases in Lincoln, Clackamas, and Lane counties of Oregon. There is a site near Lincoln City in Lincoln Co near a "Drift Creek" just north of the Siletz River, about 1 mi north of Sunset Landing.

Population Size: Not assessed

Comments: None

Number of Occurrences: B = 6 - 20

Comments: There are 5 known occurrences of this species recorded in agency or herbarium database and in the 2002 ranking, N. Weber mentions an additional 3 occurrences that she has personally observed.

Area of Occupancy: D = 6-25 4-km² grid cells

Comments: This species occupies about 8 grid squares across its range including 5 sites that are recorded in agency or herbarium databases, and in the 2002 ranking, N. Weber mentions an additional 3 sites (each in different grid squares) that she has personally observed.

Good Viability: B = Very few (1-3) occurrences with excellent or good viability or ecological integrity

Comments: Two sites are in Olympic National Park, one site is in Silver Falls State Park. One site that N. Weber mentions in the 2002 ranking is in the Drift Creek Wilderness Area.

Environmental Sensitivity: A = Very narrow. Specialist or community with key requirements scarce

Comments: This species is dependent on small scale disturbance associated with mature conifers, a rather unusual habitat.

Short Term Trends: Not Evaluated

Comments: None

Long Term Trends: Not Evaluated

Comments: None

Threat Impact: C = Medium

Comments:

This is a very rare species and little is known about its habitat requirements. It seems to be restricted to areas of small scale disturbance in late seral forest (ex. root wads of fallen over trees). One site has been observed fruiting over 4 years and it is considered to be a relatively short lived species. Three of the 5 sites are in protected areas and would be expected to persist in the area, the other two are not in protected areas and may be vulnerable to logging.

Intrinsic Vulnerability: Not Evaluated

Comments: None

Calculated Rank: G2

Rank Author: Michael Russell

Rank Reviewer: Scot Loring

References:

No additional references listed.

Definitions and Resources:

Rank Prefixes	
G	Global rank, applied to taxon's full geographic range
S	State rank, applied to taxon's range within the designated state
Rank Values	
1	Critically imperiled
2	Imperiled
3	Vulnerable
4	Apparently secure, uncommon but not rare
5	Secure, common, abundant, and widespread

Suggested citation:

Oregon Biodiversity Information Center. 2017. Fungi Conservation Status Assessments. Institute for Natural Resources, Portland State University and Oregon State University. Portland, Oregon and Corvallis, Oregon.

More assessments available at <http://inr.oregonstate.edu/orbic/rare-species/ranking-documentation>

Element rank calculator resources at <http://www.natureserve.org/conservation-tools/conservation-rank-calculator>

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